

# SYRACUSE BABBITTS ALLOYED UNDER THE STANLEY PROCESS

## Manganese Anti-Friction Metal

Adaptable for

Saw-mills, planing-mill machinery, smelters, rolling-mills, paper and pulp-mills, sugar-machinery, flour-mills, bakers' machinery, compressed-air installation-motors, gas-engines, pillow-blocks, water-turbines, railways and piston-packing.

### MELTS AT 600° FAHRENHEIT

Here is an anti-friction babbitt-metal that has no equal. It flows like quicksilver, never casts a loose box, prevents the occurrence of hot-boxes, does not flake, and runs true and even. It carries a speed of 3800 R. P. M. under ordinary conditions and withstands a pressure of 10,000 pounds to the square inch.

No metal commensurate with price ever gave the duration of wear and the complete satisfaction in every direction that Manganese Anti-Friction Babbitt gives.

Runs as Cool as a Cucumber

## Syracuse Aluminum Genuine

Adaptable for

Marine, stationary and gas-engines, oil-ringed large capacity water-wheels, motors, dynamos, cross-heads, saw-mill gangs, crushers, rolls and for bearings running in lime or grit.

### MELTS AT 840° FAHRENHEIT

This is a babbitt that can be speeded up to 15,000 R. P. M. with safety. Its tensile strength is 25,000 lbs. to the square inch. This metal weighs less per cubic inch than any bearing-metal made. When molten, it can be taken up on an oiled stick to repair damaged bearing. After cooling, the amalgamation is perfect.

There is positively no better metal made for the purposes above mentioned than Syracuse Aluminum Genuine.

A Metal Without a Speed Limit

## Syracuse Government Genuine

Best crank-pin metal on earth. Adaptable for

Automobiles, stationary and gas-engines, armature and motor service, sugar-centrifugals, crushers, hand-mills, gangs, edgers, re-saws, high speed planing-mill machinery, bull-rings, and for any service where strain, speed or stress is a factor.

### MELTS AT 650° FAHRENHEIT

Government Genuine carries a speed of 20,000 R. P. M. with safety and has a tensile strength of 20,000 lbs. to the square inch. It is known the world over for the satisfaction it has given under all conditions. After the dock trials and endurance run of the U. S. S. Nebraska, every ounce of metal was where it was originally fitted. No other known babbitt ever attained this record. It is tough, easily peined, runs cool, never flakes, casts true, and pours like water—you can solder with it. The most dependable and durable babbitt made.

What's Good for Uncle Sam is Good for You

## Syracuse Hard Genuine

Adaptable for

High speed engines, logging and hoisting engines, paper and pulp mills, steam-shovels, dynamos, cement-plants, saw-mills, rolling-mills, and for general service when unusual wear and heavy pressure is indicated.

### MELTS AT 720° FAHRENHEIT

This babbitt metal can be speeded up to 5500 R. P. M. Its tensile strength is 94,000 lbs. to the square inch. It lasts longer than the ordinary genuine Babbitt, is very tough, peins easily, has no shrinkage and casts true. For heavy duty, this is a most satisfactory babbitt.

A Babbitt that's Hard to Beat

## Syracuse Copper Genuine

Adaptable for

Gas-engines, light high speed, crank-pins, motors, reamers, planing-mills, high speed machines and general service where a durable metal is required.

### MELTS AT 700° FAHRENHEIT

It has a tensile strength of 15,000 lbs. to the square inch, and carries a speed of 5000 R. P. M. It is very fluid and handles easily. For durable, economical babbitt where a Genuine Babbitt that contains a little lead is required, Copper Genuine serves most satisfactorily.

Melts Readily Wears Steadily

## Syracuse Copper Hardened

Adaptable for

Woodworking machinery, planers, reamers, centrifugals, exhaust-fans, cotton-gins, paper and pulp machinery, laundry-machinery, and other bearings in machines of extremely high speed.

### MELTS AT 700° FAHRENHEIT

This babbitt may be speeded up to 5000 R. P. M. It is easily poured and peined, has a tensile strength of 14,000 lbs. to the square inch and remains cool under extreme speed, taking up and retaining the lubricant. It has practically no shrinkage.

For high-speed or short-stroke machinery, there is no better babbitt than Copper Hardened.

Stays in Wears Like Sin

## Stanley Process Bearing Metals

in cored or solid bars for bushings are made of selected prime virgin material, 100 per cent pure—no scrap or oxides used.

### The Stanley Process

which we control exclusively, renders the castings homogeneous, dense and non-separating. By this process the wear is increased threefold at no additional cost.

### Mathematical Precision

is used in making our cores. You'll find every core absolutely true—dead in the center.

### Stanley Process

castings are easily machined. Syracuse White Bronze or Stanley Process White Bronze is best for crank-pin and main bearings. Stanley Process Bearing Bronze, is best for wrist-pin, transmission and axle bearings.

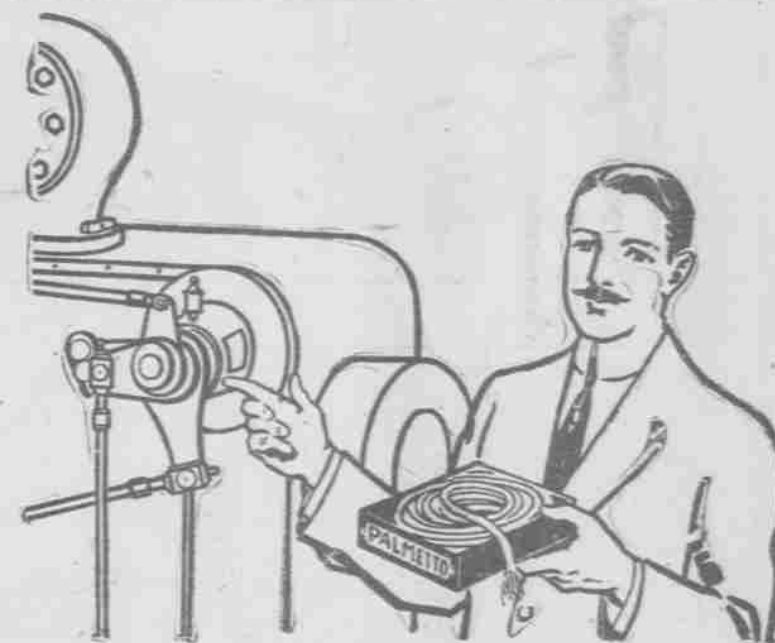
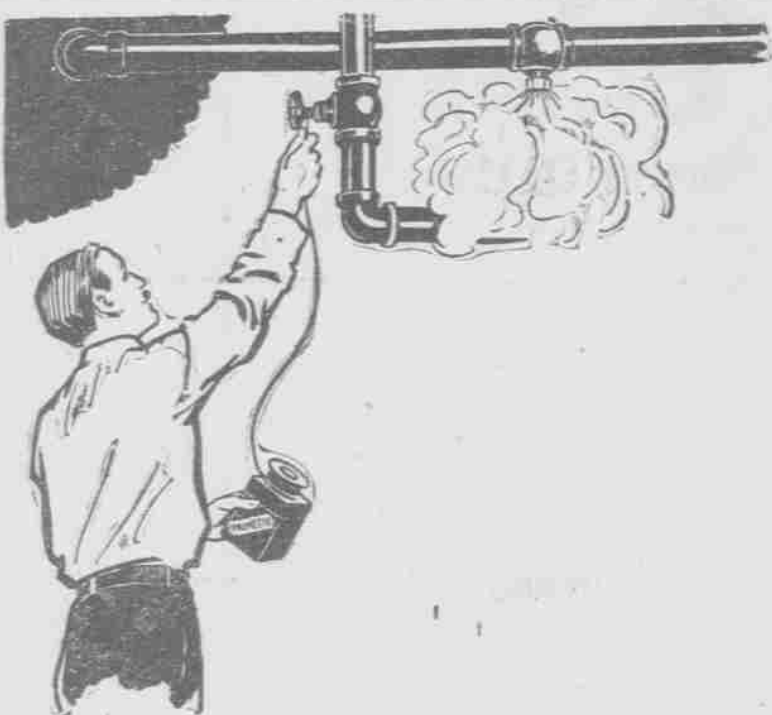
Improved Non-Granulating

Syracuse Smelting Works,

Manufacturers of  
DEPENDABLE GOODS

Brooklyn Borough, New York City

**KRAKAUER, ZORK & MOYE'S** SUC'S INC. DISTRIBUTORS EL PASO TEXAS



# "PALMETTO"

REG. TRADE MARK  
PACKING

Gives long service under high pressure superheated steam and compressed air pressures because it's made entirely of mineral substance that carries its own lubricant in such a way as to insure its remaining soft and pliable in service.

## "Palmetto" Twist For Small Valves

Any size valve can be packed from one spool of "Palmetto" Twist by unstranding as each single strand is a perfect packing in itself. Put up on one pound tin spoils, ready for use.

## Long Service Means Economy

"Palmetto" Keeps the Rod Smooth As Velvet

"PALMETTO" DISTRIBUTORS

KRAKAUER, ZORK & MOYE'S, SUCS., INC.

El Paso, Texas.

Chihuahua, Mexico.

## Braided "Palmetto"

Round and square from 1-4 inch up, in 5 lb. boxes for valve and piston rods.

"PALMETTO" is not affected by age.

Quality is always the same.

Be sure you get the GENUINE "Palmetto"